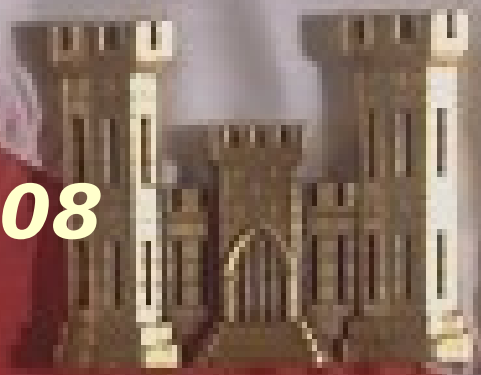
US Army Corps of Engineers
Status of MILCON Transformation Within USACE



15 April 2008

Robert B. Billmyre
Co-Chair, ASC-IT
Robert.B.Billmyre@usace.army.mil

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USACE Mission

HQ

Engineer Commands

Civil Works

$10.3 Billion

- 24,000 personnel
- Navigation
- Hydropower
- Flood Damage Reduction
- Shore Protection
- Water Supply
- Regulatory
- Recreation

9 Divisions
Direct Funded

45 Districts
Project Funded

- Homeland Security
- Environmental
- Real Estate

Private Industry Partners

Military Program

$28.8 Billion

- 10,000 personnel
- Military Construction
- Contingency Ops
- Installation Support
- International / Interagency Support

Engineer Research and Development Center

$1 Billion

Seven diverse research laboratories

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Military Program Missions

- Military Construction
- War on Terror Support
- Real Estate
- Formerly Used Defense Sites
- Base Realignment and Closure
- Interagency and International Services
- Installation Support

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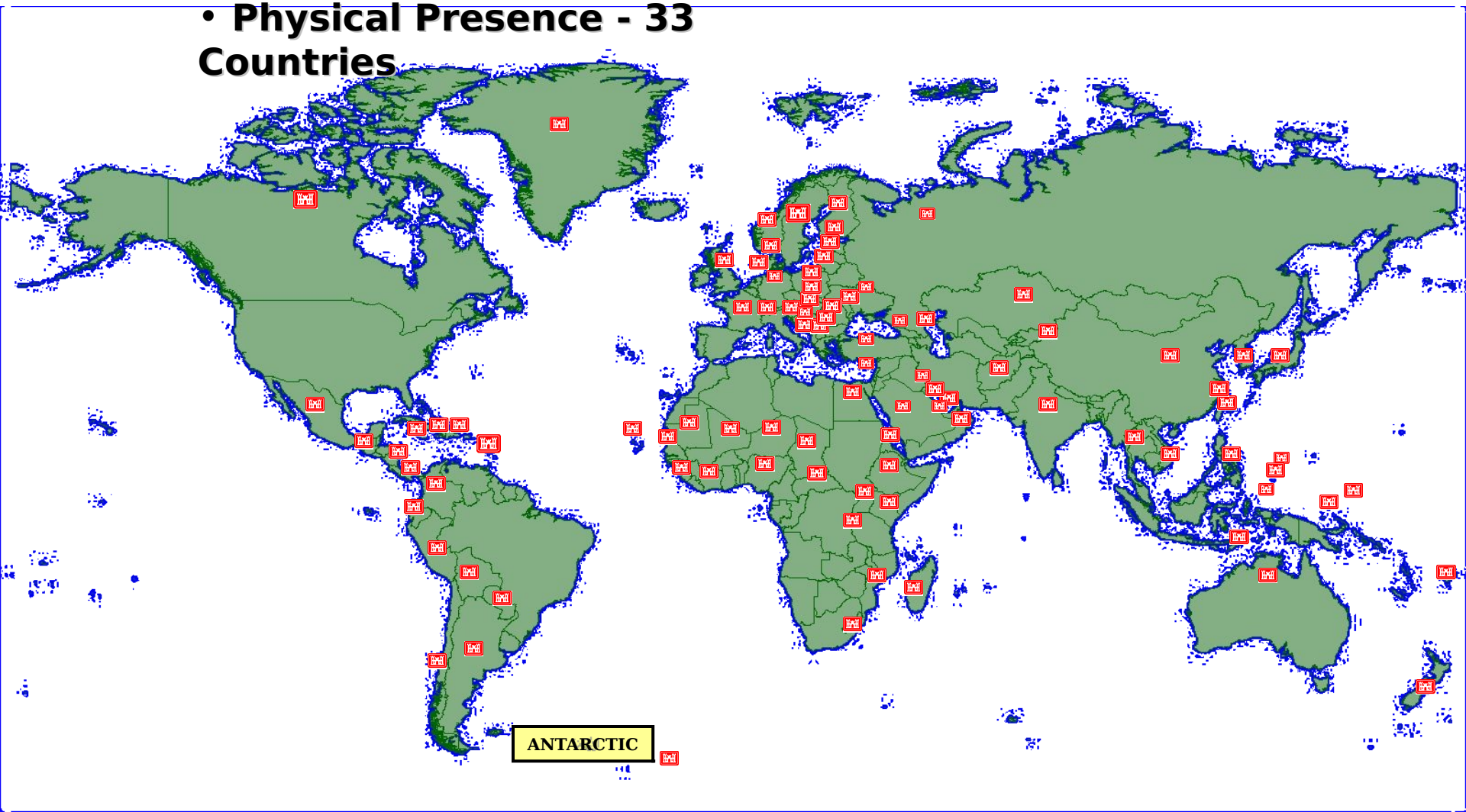
USACE Around the World

Global Engagement

- Engagement - 100+ Countries
- Physical Presence - 33 Countries



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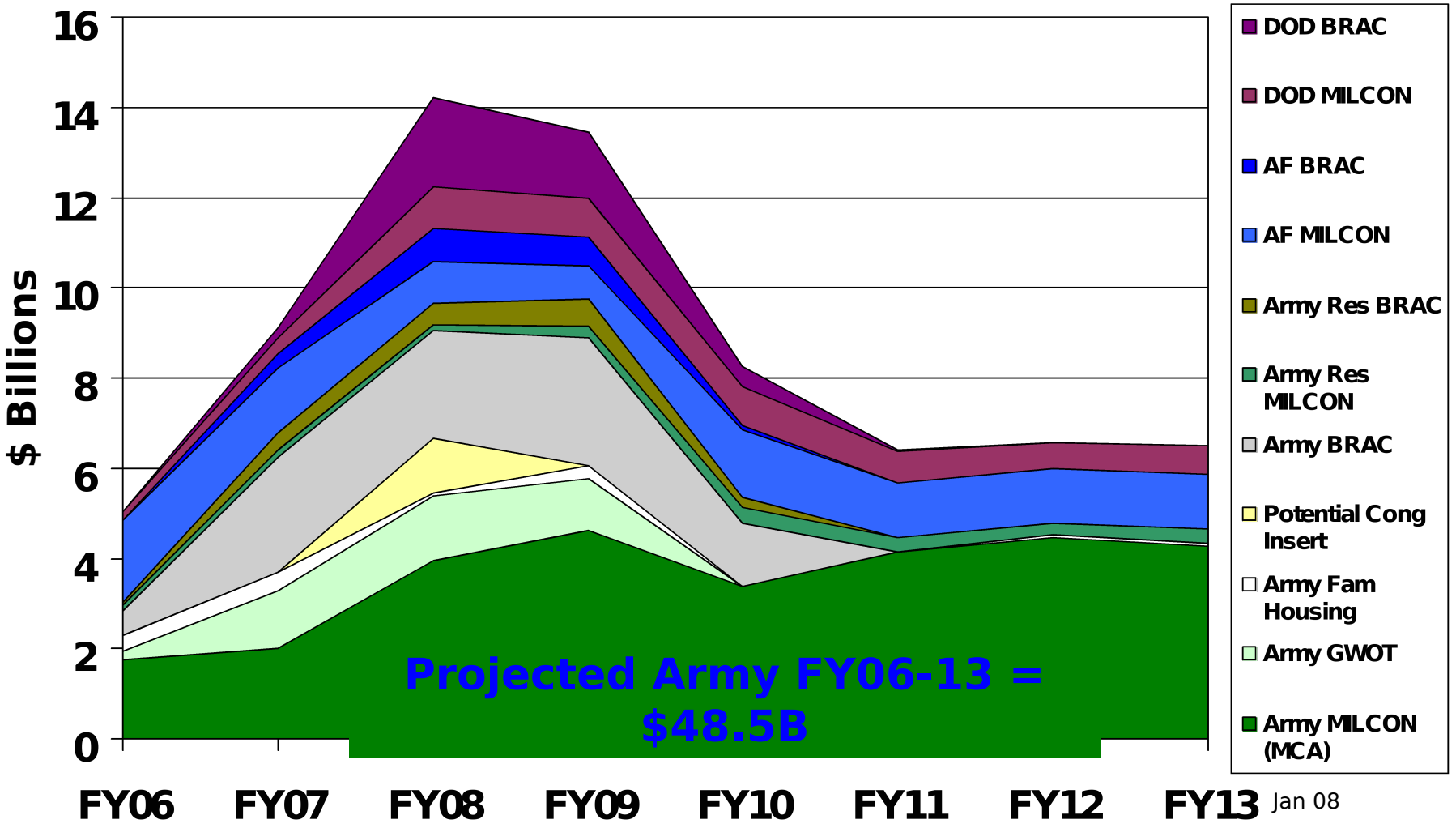
The Challenge: Execute $69.6B of MILCON Requirements (FY06-13)



Jan 08

Host Nation Support (FY07-09): * Japan--$1.7B * Korea--$1.4B * Europe--$0.4B

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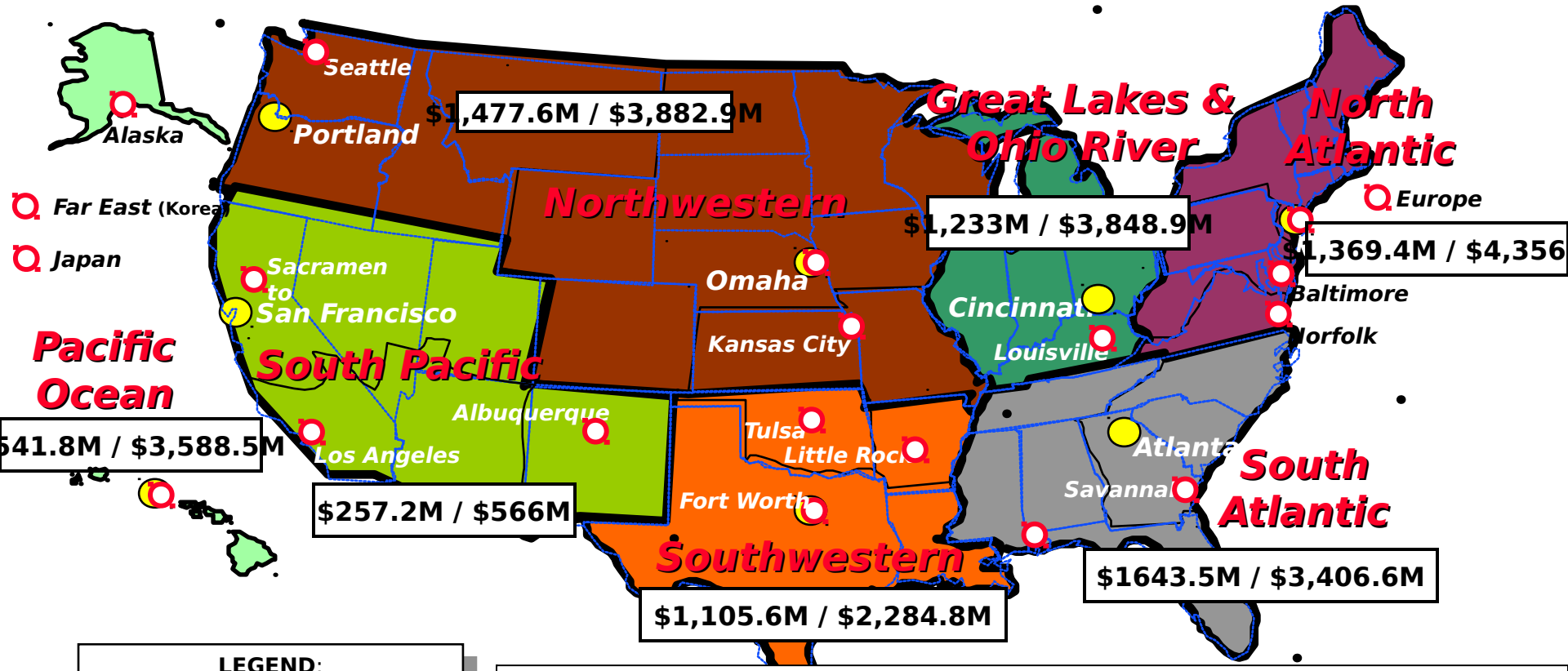
Army Program (incl. BRAC) by MSC
FY08 / FY09-13 POM (FY08-13)



LEGEND:

- Division/Regional HQ location
- Division boundary
- District location
- District boundary
- State boundary

Notes: Total Army: $9,053.3M / $25,841.3M ($34,894.6M) [incl. Murtha Initiative]

Air Force (including BRAC): $1,618.8M/$6,049.7M ($7,668.5M)

DOD MILCON (excluding BRAC): $931M / $3,600M ($4,531M)

DOD BRAC: $1,782.1M / $1,848.3M ($3,630.4M)

Total Programs: $13,385.2M/$37,339.3M ($50,724.5M)

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USACE Will Meet the Challenge through MILCON Transformation

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Why Reinvent the MILCON Process?

- The standards/processes did not support DoD's requirement of constructing quality facilities in the timeframe needed
- A Program-wide funding shortfall would have most likely occurred in the status-quo scenario
- This is a USACE campaign plan goal supporting the USACE strategic plan

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Execution Thru MILCON Transformation

- Objectives
  - Reduce costs by 15%
  - Reduce time by 30%
  - Meet Army sustainability goals… LEED Silver, EPACT 2005, lower lifecycle costs
  - Deliver full project scope within Programmed Amount
  - Provide a complete Brigade Combat Team complex in 15-24 months (about $400 million)
  - Achieve Small Business goals
- How
  - Emphasis on Standardization: Designs, Processes, RFPs
  - Use of Performance based requirements: IBC, EPACT 2005, LEED Silver
  - Centers of Standardization
    - Awarding Army Standard Facilities from eight (8) Centers of Standardization
    - Capitalize on continuous building concepts
    - Working from Design-Build toward Adapt-Build
  - Allowance for all types of construction (I-V): Including Modular
  - Drive consistency: Processes and facilities

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Centers of Standardization

- **Huntsville Center (15)**
  - Physical Fitness
  - Outdoor Sports Facility
  - Child Development (2)
  - Youth Activity Centers
  - Consolidated Fire, Safety and Security Facility
  - Fire Station
  - Army Community Service Center
  - Bowling Center
  - Hazard Material Storage
  - Close Combat Tactical Trainer
  - Mil. Ops. Urban Terrain Facility
  - Training Ranges
  - Battle Command Training Center
  - Training Support Center
  - Medical Facilities
- **Louisville District/LRD (3)**
  - Army Reserve Centers
  - Operational Readiness Training Complex
  - Judicial Facilities
- **Norfolk District/NAD (7)**
  - General Instructional Facility
  - Classroom 21
  - Enlisted Personnel Dining Facility
  - Mil. Entrance Processing Stations
  - Family Housing RFP
  - Information Systems Facility
  - Criminal Investigation Facility
- **Omaha District/NWD (2)**
  - Religious Facilities
  - Access Control Points

Green = Army standard exists

Black = No Army Standard

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Centers of Standardization

- **Mobile District/SAD (2)**
  - Aviation – Vertical Construction
  - 4 Star HQ Facility
- **Savannah District/SAD (6)**
  - Company Operations Facility
  - Tactical Equipment Maintenance
  - Brigade Operations Complex
  - Brigade/ Battalion HQ: Admin
  - Cmd./Control : UEy and Corps (UEx) HQ: Admin/Operations
  - Deployment Facility
- **Honolulu District/POD (2)**
  - Unaccompanied Officers Quarters
  - Transient Officers Quarters
- **Ft. Worth District/SWD (8)**
  - Unaccompanied Enlisted Personnel Housing
  - Basic Combat Training Complex/One Station Unit Trainee
  - Advanced individual Training Complex
  - General Purpose Warehouse
  - Central Issue Warehouse
  - WT Barracks
  - WTU Headquarters
  - Soldier & Family Assistance Center

Green = Army standard exists

Black = No Army Standard

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Center Of Standardization (COS) Roles at End State

- Project Execution
  - **PD phase and RFP Development for assigned facility types**
  - **National Design/Contract Execution using site-adapt and BIM**
  - **Coordinate Waiver requests, answer RFI's, Approve Mods, assist with claims, etc.**
  - **Coordinate to achieve project and facility LEED, aesthetics, theme, etc.**
- Maintain and Sustain the Standards
  - **Maintain Army Standards and Develop BIM Standard Designs**
  - **Life-Cycle Design Sustainment and Value Management**
  - **Program Certifications – 1391's,**
  - **Program Cost tracking - 3086's, etc.**
  - **POCs: Mr. Keith King (keith.a.king@usace.army.mil) and Mr. Scott Wick (scott.a.wick@usace.army.mil).**

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Geographic District Roles at End State

- **Continue as primary USACE liaison with installations and act as their proponent/advisor during the COS transition**
- **Perform all Project Management functions to include programming, scope issues, waiver requests, schedules and budgets.**
- **Coordinate project design, execution, and phasing with the various COS, site and other contractors.**
- **Execute site and non-COS facility contracts.**
- **Provide site and utility information to the COS.**
- **Ensure environmental clearances are obtained.**
- **Provide survey and geotechnical data to the COS.**

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Project Scope Awarded vs. CWE/PA Ratio

FY06 & 07 CONUS MCA and BRAC05 Projects

Award Category	FY06			
	Number of Projects	PA Value ($M)	CWE to PA %	% Avg Scope Awarded
Reduced Scope	38	$535	101%	82%
Full Scope / Over PA	7	$20	115%	100%
Full Scope / ≤ PA	27	$665	98%	100%
Total FY06	**72**	**$1,220**	**99.5%**	**92%**

Award Category	FY07			
	Number of Projects	PA Value ($M)	CWE to PA %	% Avg Scope Awarded
Reduced Scope	26	$1,116	99%	88%
Full Scope / Over PA	12	$170	107%	100%
Full Scope / ≤ PA	31	$1,114	99%	100%
Total FY07	**69**	**$2,400**	**99%**	**95%**

MILCON Transformation Yielded More Scope for Less Program Value

(FY06 did not have 15% reduction in cost)

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MP – 2 HQ CWE to PA Ratio & Scope Awarded by Program

Program Year FY07 & 08 Awarded Projects with Primary Scope Data in P2*

Program	FY07					FY08				
	# Awds w/ Scope Data	PA ($M)	Avg HQCWE to PA %	Avg % Scope Awarded	# Awds w/ No Scope Data	# Awds w/ Scope Data	PA ($M)	HQCWE to PA %	Avg % Scope Awarded	# Awds w/ No Scope Data
Air Force										
MCAF	34	$527	100%	91%	14	2	$28	87.0%	81%	3
BRAC	43	$358	96%	95%	2	3	$5	98.0%	68%	3
MAFR	3	$21	94%	97%	-	-	-	-	-	-
AFH	-	-	-	-	7	-	-	-	-	-
AF Summary	80	$906	98%	94%	23	5	$33	88.0%	79%	6
Army CONUS										
MCA MT	37	$973	99%	92%	7	4	$244	109.0%	88.0%	1
BRAC MT	35	$1,654	99%	95%	13	6	$633	94.0%	98.0%	10
MCAR	11	$144	94%	97%	-	1	17	78	100	-
AFH	4	$91	97%	89%	-	-	-	-	-	-
Army OCONUS										
MCA	51	$915	93%	90%	-	-	-	-	-	1
AFH	12	$324	100%	84%	-	-	-	-	-	-
Army Summary	150	$4,101	98%	93%	20	11	$894	98	93	12
DoD										
BRAC	2	$30	83%	91%	1	1	$222	100%	100%	3
MCN	1	$13	100%	100%	0	-	-	-	-	-
DoDM	2	$42	90%	100%	2	3	$133	68%	86%	0
SOF	10	$171	100%	89%	1	4	$88	100%	90%	0
DoDS	2	$22	94%	82%	1	-	-	-	-	-
DLA	2	$14	92%	85%	2	-	-	-	-	-
NSA	1	$77	100%	100%	0	1	$100	100%	100%	0
DoD Summary	20	$369	97%	93%	7	9	$543	92%	95.0%	3
USACE Summary	250	$5,376	98%	93%	50	25	$1,470	95.0%	94.0%	21

***Data based on webCMI "CMR_Funds_Rollup" Report**

Back-up Data at: ftp://ftp.usace.army.mil/usace/hqusace/DMR-CMR Data/

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RFP Info

- All solicitations are posted to Federal Business Opportunities (www.fedbizopps.gov)
- Technical documents can be downloaded from FEDTEDs (https://www.fedteds.gov) – Must be registered to access documents
- MILCON Transformation Info (http://www.hq.usace.army.mil/cemp/milcontrans/milcontransformation.htm)

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Standard Model RFP

- An automated model RFP has been developed for single/multiple award contracts.
- Available at https://ff.cecer.army.mil/rfp_wizard.
- Mandated for all Army standard facilities and highly encouraged for all Army MILCON projects.
- POCs: Mr. Jeff Hooghouse (jeffery.t.hooghouse@usace.army.mil) and Ms. Susan Nachtigall (susan.d.nachtigall@usace.army.mil).

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USACE P2 System

- Allowed access to P2 with “ARMY.MIL” address and Common Access Card (CAC).
- https://ppds.usace.army.mil/ppds/home/
- POC: Mr. Harry Jones, 202-761-5768 (Harry.L.Jones@usace.army.mil)

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Lessons Learned System

- USACE is implementing an Enterprise Lessons learned (ELL) process for effective communication.
- The process includes collecting and analyzing suggestions and implementing improvements.
- FY07: phase-I tested preliminary process and phase-II covered infrastructure and basic functionality .
- FY08: phase-III for development and implementation to enhance software components.
- ELL site: http://kme.usace.army.mil/ELL/default.aspx.

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Fort Drum - UEPH- Barracks

completed 07 Nov 07
634 rooms, constructed in 18 months
virtually no cost growth (.3%), completed on schedule

Kitchenette

Bathroom

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Fort Drum - BCT 2 COMPLEX-PHASE 1

46% complete, 18 months construction duration, ahead of schedule, turnover by Oct 08, no cost growth to date

Primary facilities include three (3) Brigade HQs additions, Brigade HQs renovations, sensitive compartmented information facilities (SCIF) and four (4) battalion headquarters.

Supporting facilities include water, sewer, electric, gas, paving, walkways, storm drainage, site improvements and information systems, and Antiterrorism/force protection measures.

MILCON Transformation Successes

Fort Bliss - (10 Jan 08)

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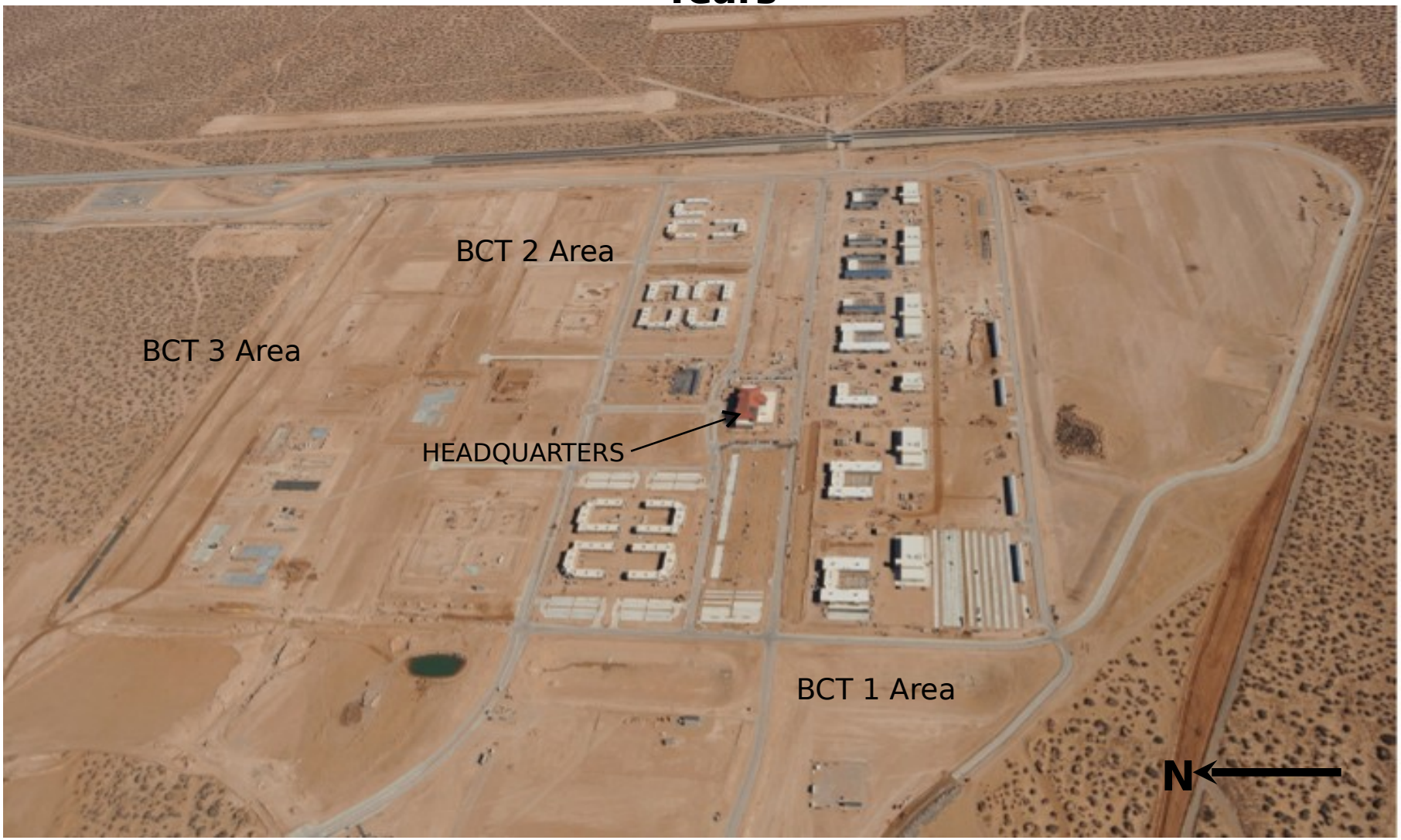
On Track to Deliver One Building per Week for the Next 5 Years



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Fort Bliss -- Concrete Tilt - Panel wall form work for Company Ops - Operational Readiness area

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Fort Bliss, TX -- UEPH Building (Plastic Sheathing and Stone Veneer)

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Fort Bliss, TX -- UEPH 1+1 Quarters

11 - UEPH buildings in BCT-1

Approx 1,412 Individual rooms

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MILCON Transformation Successes
Fort Knox - 600 IBCT Barracks

Construction Duration on Track for Less than 24 Months (30% Time Savings)

Full Scope @ 98% PA : Type-V Construction - Brick / Geothermal HVAC

US Army Corps of Engineers

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